

CLAIMS

Having thus described the aforementioned invention, we claim:

- 1 1. A controller for medium voltage electrical equipment, said
2 controller comprising:
 - 3 a first casting forming a bus connector and a first switch contact;
 - 4 a second casting forming a second switch contact and a first fuse holder;
 - 5 a third casting forming a first switch wiper and pivotably connected to
6 said second switch contact;
 - 7 a housing containing said first switch contact, said second switch
8 contact, and said first switch wiper;
 - 9 wherein a disconnect switch includes said first switch contact, said
10 second switch contact, said first switch wiper, and said housing, with said
11 disconnect switch in an open position, an electrical circuit is formed through
12 said first casting, said second casting, and said third casting.
- 1 2. The controller of Claim 1 further comprising a fourth casting
2 forming a second fuse holder.
- 1 3. The controller of Claim 1 further comprising a fifth casting forming
2 a second switch wiper, said first switch wiper and said second switch wiper
3 pivotably connected to opposite sides of said second switch contact.
- 1 4. The controller of Claim 1 further comprising a ground strap having
2 a grounding contact adapted for grounding said first switch wiper when said
3 disconnect switch is in said open position.
- 1 5. The controller of Claim 1 further comprising a window in said
2 housing and a switch illuminator having a manual switch, a power supply, and
3 a lamp directing illumination into said housing.

1 6. The controller of Claim 1 further comprising:

2 a truck for supporting a contactor, said truck having a pair of front
3 wheels and a pair of rear wheels riding on a pair of fixed rails; and

4 a racking assembly including a pair of racking rails having a handle at a
5 first end and a pivot at a second end, said pivot connected to a front end of said
6 pair of fixed rails, said racking assembly adapted to rotate between a lower
7 position and an upright position, said truck riding on said pair of racking rails
8 when said racking assembly is in said lowered position, said racking assembly
9 adapted to push said pair of front wheels towards a rear end of said pair of fixed
10 rails, wherein said racking assembly provides a motive force pushing said truck
11 into a racked position when said racking assembly is rotated to said upright
12 position.

1 7. A controller for medium voltage electrical equipment, said
2 controller comprising:

3 a first casting forming a bus connector and a first switch contact;

4 a second casting forming a second switch contact and a first fuse holder;

5 a third casting forming a first switch wiper and pivotably connected to
6 said second switch contact;

7 a fourth casting forming a second fuse holder;

8 a ground strap having a grounding contact adapted for grounding said
9 first switch wiper;

10 a housing having a window and containing said first switch contact, said
11 second switch contact, and said first switch wiper;

12 a switch illuminator having a manual switch, a power supply, and a lamp
13 directing illumination into said housing;

14 wherein a disconnect switch includes said first switch contact, said
15 second switch contact, said first switch wiper, and said housing, with said

16 disconnect switch in an open position, an electrical circuit is formed through
17 said first casting, said second casting, and said third casting;

18 a truck for supporting a contactor, said truck having a pair of front
19 wheels and a pair of rear wheels riding on a pair of fixed rails; and

20 a racking assembly including a pair of racking rails having a handle at a
21 first end and a pivot at a second end, said pivot connected to a front end of said
22 pair of fixed rails, said racking assembly adapted to rotate between a lower
23 position and an upright position, said truck riding on said pair of racking rails
24 when said racking assembly is in said lowered position, said racking assembly
25 adapted to push said pair of front wheels towards a rear end of said pair of fixed
26 rails, wherein said racking assembly provides a motive force pushing said truck
27 into a racked position when said racking assembly is rotated to said upright
28 position.

1 8. A controller for medium voltage electrical equipment, said
2 controller comprising:

3 a means for disconnect switching;

4 a means for illuminating a disconnect switch; and

5 a means for racking in a contactor truck.